PHILIPS

Philips Signage 5000 Series

Signage Solutions

50"

Powered by Android

600 cd/m2

50BDL5050D

Philips Signage 5000 Series

Smart and modular – high performance 24/7

Go beyond the ordinary. Captivate audiences and elevate their experience with the Philips Signage 5000. Powered by Android 14 for smooth integrations, this versatile 24/7 display steps up to deliver exceptional performance in any setting.

Always on for better visual performance

- 24/7 – working for your content around the clock.
- 600 cd/m2 – better visibility in lighter conditions.
- Install in portrait or landscape orientations.

Supporting time and energy efficiencies

- Philips Wave ready for remote device management.
- Connect and control your content via the cloud.
- Designed for lower power consumption.

Android powered for hassle-free integration

- Android 14 professional System on Chip.
- Integrated HTML5 Chromium-based browser.
- Save and play content with internal memory.

Modular design – versatile features

- Unique modular setup for longer product lifetime.
- 4G optional module for reliable connection.

Highlights

24/7 operation

With 600 cd/m2 brightness for better visibility under bright lights or even in sunlight, the Philips Signage 5000 Series is designed to be used 24/7, making it a great selection for travel and transportation hubs, retail centres, food and beverage locations, and more.

Modularity built in

Extend your display into the future with our modular approach. Bringing opportunities for longer product lifetime with easily detached and replaced components, plus a firm focus on sustainability, with reduced WEEE disposal.

Powered by Android 14

Powered by Android 14, your Philips Signage 5050 display is designed on a professional platform with trusted connectivity and security built in. Optimised for native Android apps, it enables you to install web apps and software directly onto the display, eliminating the need for an external media player.

Integrated SmartBrowser

Connect and control your content via the cloud with our integrated HTML5, Chromium-based browser. Design your content online and connect a single display, or your entire network, either landscape or portrait. Simply connect to the Internet via an RJ45 cable.

Philips Wave ready

Unlock the power, versatility and intelligence inside your Philips Signage 5000 displays remotely with Wave. This evolutionary cloud platform puts you fully in control, with simplified installation and setup, monitoring and controlling displays, upgrading firmware, managing playlists and setting power schedules, saving you time, energy and environmental impact.

Specifications

Picture/Display
Diagonal screen size (metric): 125.7 cm
Diagonal screen size (inch): 49.5 inch
Aspect ratio: 16:9
Panel resolution: 3840 x 2160
Pixel pitch: 0.2854 x 0.2854 mm
Optimum resolution: 3840 x 2160 @ 60 Hz
Brightness: 600 cd/m²
Display colours: 1.07 Billion
Contrast ratio (typical): 4000:1
Dynamic contrast ratio: 500,000:1
Response time (typical): 8 ms
Viewing angle (horizontal): 178 degree
Viewing angle (vertical): 178 degree
Picture enhancement: 3/2 - 2/2 motion pull down, Motion compens. deinterlacing, Dynamic contrast enhancement, Progressive scan
Panel technology: VA
Operating system: Android 14
Haze: 25%

Connectivity
Audio output: 3.5 mm jack
Video input: DisplayPort 1.4 (x 1), HDMI 2.0 (x 2), USB-C (4.5 W)
Other connections: 4G/LTE antenna connectors, Micro USB (x 1) (OTG), USB 3.0 (x 2)
Video output: HDMI 2.0
External control: RJ45, RS232C (in/out) 2.5 mm jack, IR (in/out) 3.5 mm jack, Wi-Fi 6, Bluetooth 5.2 (via CRD32)

Convenience
Placement: Landscape (24/7), Portrait (24/7)
Tiled Matrix: Up to 10 x 15
Screen-saving functions: Pixel Shift
Keyboard control: Hidden, Lockable
Signal loop through: RS232, IR Loop through, HDMI1, HDMI 2, Android SoC
Energy-saving functions: Smart Power
Network controllable: RS232, External 4G mPCIe slot, RJ45

Sound
Built-in speakers: 2 x 10 W RMS

Power
Mains power: 100 ~ 240 VAC, 50 ~ 60 Hz
Standby power consumption: <0.5 W
Energy Label Class: F
EEI Lot5 power consumption (W): 58

Supported Display Resolution
Computer formats: 1024 x 768, 60 Hz, 1280 x 1024, 60 Hz, 1280 x 720, 60 Hz, 1440 x 900, 60 Hz, 1600 x 900, 60 Hz, 1680 x 1050, 60 Hz, 1920 x 1080, 60 Hz, 640 x 480, 60 Hz, 800 x 600, 60 Hz
Video formats: 1080p, 50, 60 Hz, 1080i, 50, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 576p, 50 Hz, 720p, 50,60 Hz, 480i, 60 Hz

Dimensions
Set Width: 1128.4 mm
Product weight: 14.75 kg
Set Height: 649.0 mm
Set Depth: 63.5 mm
Set Width (inch): 44.43 inch
Set Height (inch): 25.55 inch
Wall Mount: 400 (H) x 400 (V) mm, M6
Set Depth (inch): 2.50 inch
Bezel width: 14.9 mm (Even bezel)
Product weight (lb): 32.52 lb

Operating conditions
Altitude: 0 ~ 3000 m
Temperature range (operation): 0 ~ 40 °C
MTBF: 50,000 hour(s)
Temperature range (storage): -20 ~ 60 °C
Humidity range (operation)[RH]: 20–80% RH (No condensation)
Humidity range (storage) [RH]: 5–95% RH (No condensation)

Multimedia Applications
USB Playback Video: MPEG, H.263, H.264, H.265, AVI, MP4, MPEG4, VP8, VP9, WEBM
USB Playback Picture: BMP, JPEG, PNG
USB Playback Audio: AAC, HEAAC, MPEG

Internal Player
CPU: 4 x A72 + 4 x A53 RK3576 + MT9800
GPU: ARM Mali G52 MC3
Memory: 4 GB RAM
Storage: 32 GB

Accessories
Included Accessories: RS232 daisy-chain cable, Philips logo (x 1), AC Switch Cover, USB Cover (x 1), Screws, AC Power Cord, IR sensor cable (1.8 m) (x 1), Quick start guide, Remote control and AAA batteries, RS232 cable, CRD32 Wi-Fi and BT module

Miscellaneous
On-Screen Display Languages: English, French, German, Spanish, Polish, Turkish, Russian, Italian, Simplified Chinese, Traditional Chinese, Arabic, Japanese, Danish, Dutch, Finnish, Norwegian, Portuguese, Swedish
Warranty: 3 year warranty
Regulatory approvals: CE, RoHS, CB

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